

Various Shot Baseline data				Breach				Expected				Full Choke		Shot Count in circle
Lead String#	Gauge	Hull	Primer	Powder	LUP's	Quantity	Shot size	weight	Shot #	Velocity FPS	Actual Velocity FPS	% 30" Circle	35 Yards	
25 total	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200				
1 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1313	70.2%		308
2 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1317	72.7%		319
3 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1313	70.4%		309
4 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1305	71.1%		312
5 of 5	28	WAA	W209	HERCO	8400	14.0 gr	8 1/2	.75 oz	439	1200	1265	73.3%		322
Bismuth								Average		1200	1302.6			314
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1293	71%		91
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1316	74%		95
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1442	70%		89
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1520	69%		88
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	5	.75 OZ	128	1200	1442	70%		90
Hevi-Shot								Average		1200	1402.6			90.6
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1287	70.4%		119
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1265	69.8%		118
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1289	71.6%		121
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1252	71.0%		120
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1263	72.2%		122
Lead #2								Average		1200	1271.2	71.0%		120
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1321	72%		122
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1326	70%		118
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1306	73%		124
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1310	70%		119
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1284	71%		120
Enviro-Shot								Average		1200	1309.4			120.6
1 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1299	73.0%		124
2 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1311	75.0%		127
3 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1306	72.0%		122
4 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1324	72.0%		121
5 of 5	28	WAA28	W209	HERCO	8400	14.0 gr	6	.75 OZ	169	1200	1318	74.0%		125
								Average		1200	1311.6	73.2%		123.8

Figure 1